

Patent Claims

1. A spindle drive for a switch disconnecter and/or grounding switch, in which a spindle nut (11) which is mounted in a spindle nut housing (6) such as it can rotate moves a spindle (10) translationally and during which process contact-making elements of the switching device can be moved translationally, characterized in that the spindle (10) operates a contact pin (16), which is guided in a contact mount (5), via a connecting yoke (13), which is shared by all the phases and poles, and an isolation rod (15) for each phase and pole.
2. The spindle drive as claimed in claim 1, characterized in that at least one guide bolt (22) is arranged parallel to the spindle (10) on the connecting yoke (13), and is guided in a linear guide (12).
3. The spindle drive as claimed in claim 2, characterized in that the contact-making elements are arranged in a switching chamber housing (1), and both the spindle (10) and the guide bolt (22) pass through the housing wall of the switching chamber housing (1).
4. The spindle drive as claimed in claim 3, characterized in that covers (14) grip over the spindle (10) and the guide bolt (22), with an isolating gas (17), which is also used within the switching chamber housing (1), preferably being located within the covers.
5. The spindle drive as claimed in claim 4, characterized in that the at least one guide bolt (22) acts on a position indication (8) for the position of the switching device.

6. The spindle drive as claimed in claim 2, characterized in that the contact-making elements are arranged in a switching chamber housing (1), and the isolation rods (15) pass through the housing wall of the switching chamber housing.

7. The spindle drive as claimed in one of claims 3 to 6, characterized in that the spindle nut housing (6) is attached to the housing wall of the switching chamber housing (1).

8. A modification of the spindle drive as claimed in claim 1, characterized in that each pole has a separate associated spindle with a separate drive.

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9. The spindle drive as claimed in claim 8, characterized in that each drive has an autonomous associated actuation means.